

Title (en)

Method and device for the control of an internal combustion engine

Title (de)

Verfahren und Vorrichtung zur Regelung einer Verbrennungskraftmaschine

Title (fr)

Procédé et dispositif de contrôle d'un moteur à combustion

Publication

EP 1193385 A3 20050622 (DE)

Application

EP 01121801 A 20010911

Priority

DE 10047811 A 20000927

Abstract (en)

[origin: EP1193385A2] The method involves measuring engine combustion air pressure with an induction pipe pressure sensor and passing a sensor signal corresponding to instantaneous pressure to a controller, which derives a control signal the air-fuel mixture fed to the engine. The gradient of the induction pipe sensor actual characteristic is detected, a deviation from a desired characteristic is determined and a correction value derived for the pressure sensor signal. Independent claims are also included for the following: an arrangement for regulating an internal combustion engine.

IPC 1-7

F02D 41/22; **F02D 41/14**

IPC 8 full level

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CPC (source: EP)

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Citation (search report)

- [X] DE 19950146 A1 20000427 - CUMMINS ENGINE CO INC [US]
- [A] US 5585553 A 19961217 - SCHRICKER DAVID R [US]
- [A] US 5808189 A 19980915 - TOYODA KATSUHIKO [JP]
- [A] DE 19860500 A1 20000727 - PLOECHINGER HEINZ [AT]

Cited by

FR3047518A1; FR3047516A1; FR3047517A1; WO2017134366A1; WO2017134363A1; WO2017134367A1

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